

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A system for preparing a mixture of water and at least one non-aqueous material, comprising:
 - a mixing zone;
 - wherein the mixing zone comprises a mixing tub;
 - means for injecting water into the mixing zone;
 - means for injecting the at least one non-aqueous material into the mixing zone; and
 - a sensor disposed within the mixing tub that measures the concentration of water in the mixture.
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Original) The system for preparing a mixture according to claim 1, wherein the injecting means further comprise a mixing head into which the water and at least one non-aqueous material are injected prior to being injected into the mixing zone and a flow line having a valve disposed therein that injects the water into the mixing head and a flow line having a valve disposed therein that injects the at least one non-aqueous material into the mixing head.
7. (Original) The system for preparing a mixture according to claim 6, wherein each of the valves is manually controlled.
8. (Original) The system for preparing a mixture according to claim 6, wherein each of the valves is controlled by an automatic controller, which is connected to the water concentration sensor.
9. (Original) The system for preparing a mixture according to claim 8, wherein each of the valves comprises an actuator connected to the automatic controller.

10. (Original) The system for preparing a mixture according to claim 9, further comprising a flow rate sensor disposed within the water flow line and wherein the flow rate sensor is connected to the automatic controller.

11. (Original) The system for preparing a mixture according to claim 9, wherein the automatic controller controls one or more of the actuators on the valves in response to signals received from the water concentration sensor.

12. (Original) The system for preparing a mixture according to claim 10, wherein the automatic controller controls one or more of the actuators on the valves in response to signals received from the water concentration sensor and the flow rate sensor.

13. (Original) The system for preparing a mixture according to claim 8, wherein the automatic controller comprises a computer.

14. (Currently Amended) The system for preparing a mixture according to claim 2 1, wherein the mixing tub comprises two compartments separated by a weir.

15. (Original) The system for preparing a mixture according to claim 14, further comprising an agitator in each of the compartments that mixes the water and at least one non-aqueous material.

16.- 54. (Canceled).